

## 18–210 Removal and installation of oil pump

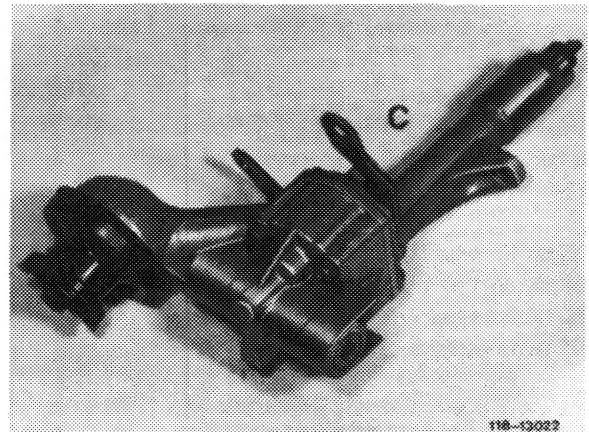
Tightening torques	Nm
Pressure relief valve for oil pump	40
Plug for built-in pressure relief valve	30
Oil pump to crankcase and bearing caps	30
Oil pan lower section to upper section	11
Crankshaft bearing bolt	80

### Note

In the event of repairs or when installing an oil pump drive, part no. 110 050 02 06, install oil pump, part no. 110 180 27 01 (version C).

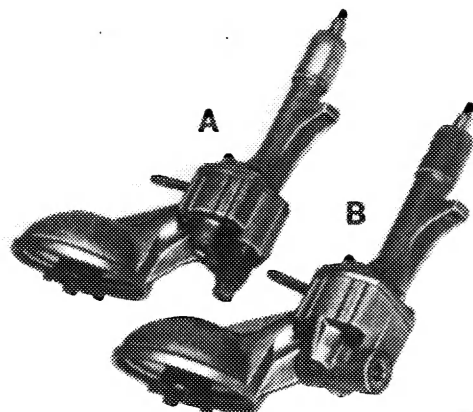
This oil pump has a strainer of 60 mm dia. and **two screwed-on holders**. Install pump only in combination with a 5-bar pressure relief valve in main oil duct (18–020).

Version C



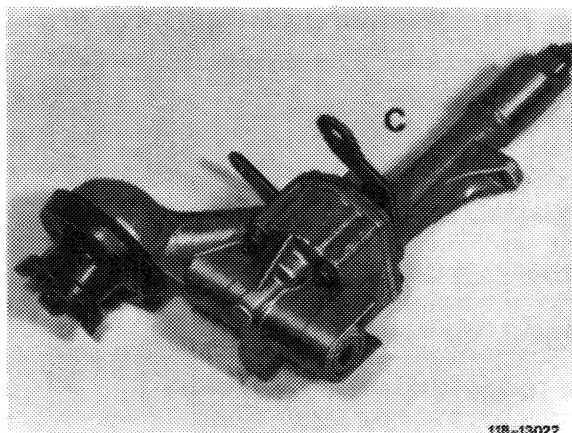
Oil pumps (version A and B) used up to now are provided with a strainer of 110 mm dia. and **one screwed-on holder**.

Version A and B



## Standard installation oil pump version C

Engine	Starting engine no.
110.921 – 10 – 010368	
– 12 – 045651	
110.922 – 10 – 024583	
– 12 – 041571	
110.923 – 10 – 003252	
– 12 – 004341	
110.931 – 10 – 001115	
– 12 – 000152	
110.932 – 10 – 004456	
– 12 – 000841	
110.981 – 10 – 010906	
– 12 – 023759	
110.982 – 10 – 001323	
– 12 – 002835	
110.983 – 10 – 017358	
– 12 – 050438	
110.984 – 10 – 002646	
– 12 – 006072	
110.985	starting begin of series
110.986	starting begin of series



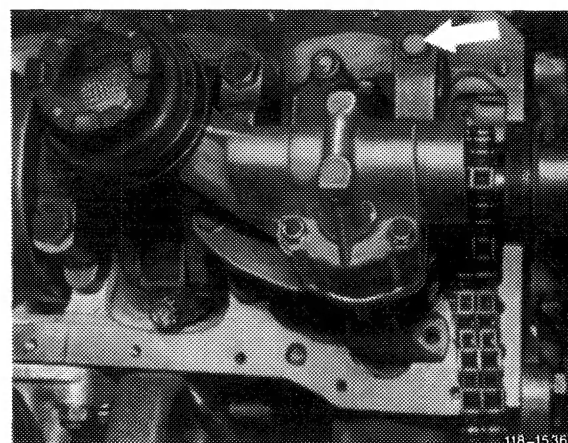
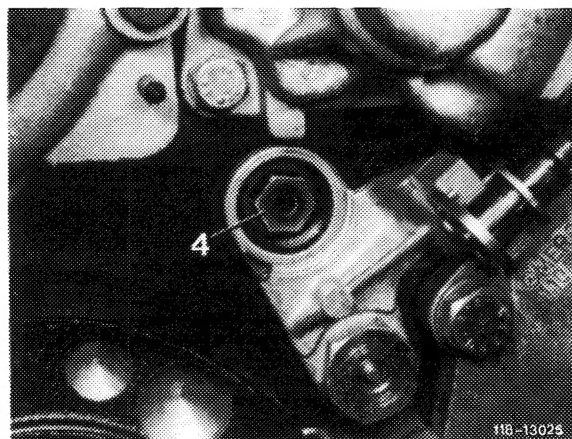
All exchange engines starting unit no. 464130 are provided with oil pump version C with 60 mm dia. strainer.

Install oil pump version C only in combination with a 5-bar pressure relief valve in main oil duct (4) (18-020).

**Note:** Standard installation for carburetor engines is oil pump 110 180 27 01 **with** a drive cam for fuel pump, and for injection engines oil pump 110 180 26 01 **without** drive cam.

As a spare part, only oil pump 110 180 27 01 with drive cam will be supplied.

For subsequent installation of oil pump 110 180 27 01 mount a crankshaft bearing bolt 108 011 00 71 with internal threads for additional holder (arrow) on 1st crankshaft bearing cap and tighten to 80 Nm.

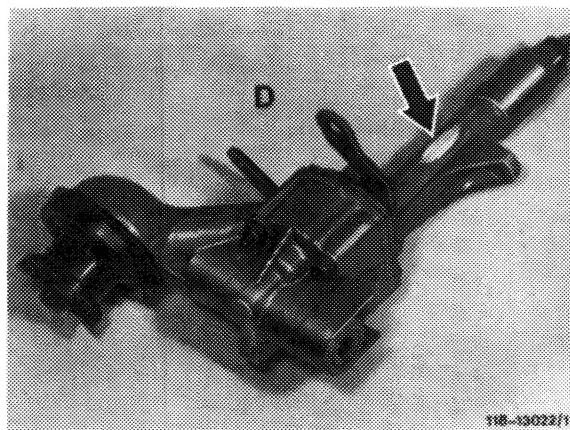


To save space, the oil pump has been modified by means of an additional weight on crankshaft. The pump has a recess (arrow) on housing shaft, to provide enough distance between crankshaft and oil pump.

When changing the oil pump, check whether a crankshaft with additional weight is installed. If yes, install only modified oil pump, part no. 110 180 33 01 for injection engines or 110 180 32 01 for carburetor engines with recess in housing shaft.

#### Standard application

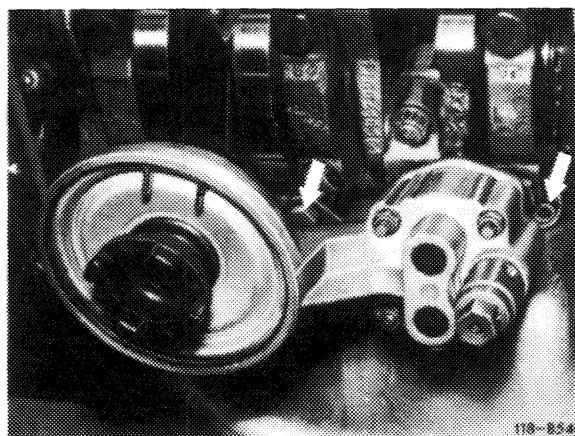
Model	starting chassis end no.
107.022	006288
107.042	005285
116.020	112253
116.024/025	131270
123.030	025657
123.033	050600
123.050	002801
123.053	013292
123.093	001229



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#### Removal

- 1 Remove fuel pump of carburetor engine.
- 2 Take off oil pan lower section.
- 3 Unscrew mounting bolt on crankcase and bearing cap.
- 4 Pull out oil pump.



118-B340

#### Installation

- 5 For installation proceed vice versa.
- 6 Correct oil level and check engine for leaks.